


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☐ The Guide

chaotic and chao and circuit and equilibrium and oscilation and voltage and signal

1234567

THE ACM DIGITAL LIBRARY

[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Terms used

**chaotic and chao and circuit and equilibrium and oscilation and voltage and signal** Found 5,458 of 157,873

Sort results by

relevance

Display results

condensed form

☒ Save results to a Binder

☒ Search Tips

☐ Open results in a new window

Try an Advanced Search

 Try this search in [The ACM Guide](#)

Results 1 - 20 of 200

 Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

 Relevance scale ☐ ☐ ☐ ☐ ☐

# 1 [Experimental mathematics: the role of computation in nonlinear science](#)

David Campbell, Doyne Farmer, Jim Crutchfield, Erica Jen

 April 1985 **Communications of the ACM**, Volume 28 Issue 4

 Full text available: [pdf\(2.28 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

# 2 [Multi-time simulation of voltage-controlled oscillators](#)

Onuttom Narayan, Jaijeet Roychowdhury

 June 1999 **Proceedings of the 36th ACM/IEEE conference on Design automation**

 Full text available: [pdf\(1.71 MB\)](#)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

# 3 [Intelligence in scientific computing](#)

Harold Abelson, Michael Eisenberg, Matthew Halfant, Jacob Katzenelson, Elisha Sacks, Gerald J. Sussman, Jack Wisdom, Ken Yip

 May 1989 **Communications of the ACM**, Volume 32 Issue 5

 Full text available: [pdf\(1.61 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

# 4 [Principles and applications of chaotic systems](#)

William Ditto, Toshinori Munakata

 November 1995 **Communications of the ACM**, Volume 38 Issue 11

 Full text available: [pdf\(319.90 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

# 5 [An arbitrary chaos generator core circuit using PWM/PPM signals](#)

Kenichi Murakoshi, Takashi Morie, Makoto Nagata, Atsushi Iwata

 January 2000 **Proceedings of the 2000 conference on Asia South Pacific design automation**

 Full text available: [pdf\(144.45 KB\)](#)

 Additional Information: [full citation](#), [references](#)

# 6 [Circuits for multiple valued logic—a tutorial and appreciation](#)

Kenneth C. Smith

 May 1976 **Proceedings of the sixth international symposium on Multiple-valued logic**

 Full text available: [pdf\(973.19 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

7

Dedicated circuits: A programmable cellular neural network circuit

Michel Leong, Pedro Vasconcelos, Jorge R. Fernandes, Leonel Sousa

September 2004 **Proceedings of the 17th symposium on Integrated circuits and system design**

Full text available:  pdf(695.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



8 Nonlinear instabilities in TCP-RED

Priya Ranjan, Eyad H. Abed, Richard J. La

December 2004 **IEEE/ACM Transactions on Networking (TON)**, Volume 12 Issue 6

Full text available:  pdf(985.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



9 Biological applications: Epileptic seizure detection by means of genetically programmed artificial features

Hiram Firpi, Erik Goodman, Javier Echaz

June 2005 **Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05**

Full text available:  pdf(167.05 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



10 Implication algorithms for MOS switch level functional macromodeling implication and testing

M. R. Lightner, G. D. Hachtel

January 1982 **Proceedings of the 19th conference on Design automation**

Full text available:  pdf(794.58 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



11 Visualizing differences in movies of cortical activity

Kay A. Robbins, David M. Senseman

October 1998 **Proceedings of the conference on Visualization '98**

Full text available:  pdf(1.42 MB)  Additional Information: [full citation](#), [references](#), [index terms](#)  
[Publisher Site](#)



12 The simulation of the non-linear dynamic behavior of distributed routing networks using DECSIM

Nicholas Ilyadis, Peter Drexel, Andrzej Rucinski

December 1991 **Proceedings of the 23rd conference on Winter simulation**

Full text available:  pdf(798.42 KB) Additional Information: [full citation](#), [references](#), [index terms](#)



13 VLSI circuits: Design issues in low-voltage high-speed current-mode logic buffers

Payam Heydari

April 2003 **Proceedings of the 13th ACM Great Lakes symposium on VLSI**

Full text available:  pdf(503.85 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



14 Standard cell placement for even on-chip thermal distribution

Ching-Han Tsai, Sung-Mo (Steve) Kang

April 1999 **Proceedings of the 1999 international symposium on Physical design**


Full text available:  pdf(723.75 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



15 Circuits for low power wireless: A novel continuous-time common-mode feedback for low-voltage switched-OPAMP

M. Ali-Bakhshian, K. Sadeghi

August 2004 **Proceedings of the 2004 international symposium on Low power electronics and design**

Full text available:  pdf(572.94 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



16 Keynote Speakers

March 1997 **Proceedings of the 1997 European conference on Design and Test**

Full text available:  [pdf\(683.35 KB\)](#)

Additional Information: [full citation](#)


 [Publisher Site](#)



17 Optimization: Quadratic deferred-merge embedding algorithm for zero skew clock distribution network

H. Saaied, D. Al-Khalili, A. Al-Khalili, M. Nekili

December 2002 **Proceedings of the 8th ACM/IEEE international workshop on Timing issues in the specification and synthesis of digital systems**

Full text available:  [pdf\(302.58 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)




18 Automatic test vector generation for mixed-signal circuits

B. Ayari, N. Ben Hamida, B. Kaminska

March 1995 **Proceedings of the 1995 European conference on Design and Test**

Full text available:  [pdf\(836.05 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [citations](#)



 [Publisher Site](#)



19 Signal integrity optimization on the pad assignment for high-speed VLSI design

Kai-Yuan Chao, D. F. Wong

December 1995 **Proceedings of the 1995 IEEE/ACM international conference on Computer-aided design**


Full text available:  [pdf\(82.97 KB\)](#)  Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)  
[Publisher Site](#)



20 Circuit Simulation of Nanotechnology Devices with Non-monotonic I-V Characteristics

Jiayong Le, Larry Pileggi, Anirudh Devgan

November 2003 **Proceedings of the 2003 IEEE/ACM international conference on Computer-aided design**

Full text available:  [pdf\(235.42 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)



Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

Search Results

[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Results for "((chaotic and chao )&lt;in&gt;metadata)"

☒ e-mail

Your search matched 7 of 1194402 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order.[» View Session History](#)[» New Search](#)

Modify Search

[» Key](#)

IEEE JNL IEEE Journal or Magazine

☐ Check to search only within this results set

IEEE JNL IEEE Journal or Magazine

Display Format: ☐ Citation ☒ Citation & Abstract

IEEE CNF IEEE Conference Proceeding

Select Article information

IEEE CNF IEEE Conference Proceeding

**1. An adaptive demodulator for the chaotic modulation communication system with network**

Chow, T.W.S.; Jiu-Chao Feng; Ng, K.T.;  
Circuits and Systems I: Fundamental Theory and Applications, IEEE Transactions on [t and Systems I: Regular Papers, IEEE Transactions on]  
Volume 47, Issue 6, June 2000 Page(s):902 - 909

**Summary:** Chaotic modulation is an important spread spectrum (SS) technique among communications. The logistic chaotic signal acts as the modulation signal in this paper. demodulator based on the radial basis function (RBF) neural network.....

[AbstractPlus](#) | [References](#) | Full Text: [PDF\(228 KB\)](#) IEEE JNL

**2. Identification and tracking of chaotic signals with application to non-coherent de chaos-based communications**

Jiu-chao Feng; Tse, C.K.;  
Communications, Circuits and Systems, 2004. ICCCAS 2004. 2004 International Confe  
Volume 2, 27-29 June 2004 Page(s):851 - 854 Vol.2

**Summary:** A tracker is proposed for reconstructing the transmitted chaotic signal unde condition of the transmitted signal being contaminated by noise and its generating func to strong parameter variations. This tracker uses a .....

[AbstractPlus](#) | Full Text: [PDF\(361 KB\)](#) IEEE CNF

**3. A chaos tracker applied to non-coherent detection in chaos-based digital commu systems**

Jiu-Chao Feng; Tse, C.K.; Lau, F.C.M.;  
Circuits and Systems, 2001. ISCAS 2001. The 2001 IEEE International Symposium on  
Volume 3, 6-9 May 2001 Page(s):795 - 798 vol. 2

**Summary:** In chaos-based communication systems, parameter variation in the chaos ( additive channel noise represent two practical problems that are hard to solve. For cha communication, non-coherent detection has the advantage that .....

[AbstractPlus](#) | Full Text: [PDF\(320 KB\)](#) IEEE CNF

**4. A chaotic annealing neural network and its application to direction estimation of sources**

Ying Tan; Chao Deng; Zhenya He;  
Neural Networks for Signal Processing [1997] VII. Proceedings of the 1997 IEEE Work  
24-26 Sept. 1997 Page(s):541 - 550

**Summary:** A chaotic annealing neural network model based on transient chaos and dy proposed for solving optimization problems with continuous-variables, such as the max estimation of spatial signal sources considered in this article.....

[AbstractPlus](#) | Full Text: [PDF\(480 KB\)](#) IEEE CNF



**5. Modeling nonlinear behavior in the Fermilab Main Ring**

Gerig, R.E.; Michelotti, L.; Chao, Y.;

Particle Accelerator Conference, 1989. 'Accelerator Science and Technology', Proceedings of IEEE

20-23 March 1989 Page(s):1277 - 1279 vol.2

**Summary:** Recent simulations of the Fermilab Main Ring indicate that the systematic r decapole order and higher lead to chaotic behavior and slow or sudden amplitude growth thousands of turns. This behavior is seen in the model at em.....

[AbstractPlus](#) | Full Text: [PDF\(244 KB\)](#) IEEE CNF



**6. Application of ICA in harmonic retrieval in chaotic noise**

Lu Peng; Li Yue; Li Chao;

Signal Processing, 2004. Proceedings. ICSP '04. 2004 7th International Conference on Volume 3, Aug. 31 - Sept. 4, 2004 Page(s):2549 - 2552

**Summary:** Not available.....

[AbstractPlus](#) | Full Text: [PDF\(179 KB\)](#) IEEE CNF



**7. A review of some main models for traffic flow forecasting**

Chao Han; Su Song;

Intelligent Transportation Systems, 2003. Proceedings. 2003 IEEE

Volume 1, 2003 Page(s):216 - 219 vol.1

**Summary:** As intelligent transportation systems (ITS) are implemented widely throughout managers of transportation systems have access to large amounts of "real-time" status forecasting is becoming an important tool in ITS. During th.....

[AbstractPlus](#) | Full Text: [PDF\(358 KB\)](#) IEEE CNF



Indexed by  
 Inspec®

[Help](#) [Contact Us](#) [Privacy & ...](#)

© Copyright 2005 IEEE ...